1	ATRRYYLGAV	ELSWDYMQSD	LGELPVDARF	PPRVPKSFPF	NTSVVYKKTT.
51	FVEFTVHLFN	IAKPRPPWMG	LLGPTIQAEV	YDTVVITLKN	MASHPVSTHA
101	VGVSYWKASE	GAEYDDQTSQ	REKEDDKVFP	GGSHTYVWQV	LKENGPMASD
151	PLCLTYSYLS	HVDLVKDLNS	GLIGALLVCR	EGSLAKEKTO	TLHKFILLFA
201	VFDEGKSWHS	ETKNSLMQDR	DAASARAWPK	MHTVNGYVNR	SLPGLIGCHR
251	KSVYWHVIGM	GTTPEVHSIF	LEGHTFLVRN	HROASLEISP	ITFLTAOTLL
301	MDLGOFLLFC	HISSHOHDGM	EAYVKVDSCP	EEPQLRMKNN	EEAEDYDDDL
351	TDSEMDVVRF	DDDNSPSFIO	IRSVAKKHPK	TWVHYIAAEE	EDWDYAPLVL
401	APDDRSYKSO	YLNNGPQRIG	RKYKKVRFMA	YTDETFKTRE	AIQHESGILG
451	PLLYGEVGDT	LLIIFKNQAS	RPYNIYPHGI	TDVRPLYSRR	LPKGVKHLKD
501	FPILPGEIFK	YKWTVTVEDG	PTKSDPRCLT	RYYSSFVNME	RDLASGLIGP
551	LLICYKESVD	QRGNQIMSDK	RNVILFSVFD	ENRSWYLTEN	IQRFLPNPAG
601	VQLEDPEFQA	SNIMHSINGY	VFDSLQLSVC	LHEVAYWYIL	SIGAOTDFLS
651	VFFSGYTFKH	KMVYEDTLTL	FPFSGETVFM	SMENPGLWIL	GCHNSDFRNR
701	GMTALLKVSS	CDKNTGDYYE	DSYEDISAYL	LSKNNAIEPR	SFSQNPPVLK
751	RHOREITRTT	LOSDOEEIDY	DDTISVEMKK	EDFDIYDEDE	NOSPRSFOKK
801	TRHYFIAAVE	RLWDYGMSSS	PHVLRNRAOS	GSVPQFKKVV	FQEFTDGSFT
851	QPLYRGELNE	HLGLLGPYIR	AEVEDNIMVT	FRNQASRPYS	FYSSLISYEE
901	DORQGAEPRK	NEVKPNETKT	YFWKVOHHMA	PTKDEFDCKA	WAYFSDVDLE
951	KDVHSGLIGP	LLVCHTNTLN	PAHGROVTVO	EFALFFTIFD	ETKSWYFTEN
1001	MERNCRAPCN	IQMEDPTFKE	NYRFHAINGY	IMDTLPGLVM	AODORIRWYL
1051	LSMGSNENIH	SIHFSGHVFT	VRKKEEYKMA	LYNLYPGVFE	TVEMLPSKAG
1101	IWRVECLIGE	HLHAGMSTLF	LVYSNKCOTP	LGMASGHIRD	FQITASGQYG
1151	QWAPKLARLH	YSGSINAWST	KEPFSWIKVD	LLAPMIIHGI	KTQGARQKFS
1201	SLYISQFIIM	YSLDGKKWQT	YRGNSTGTLM	VFFGNVDSSG	IKHNIFNPPI
1251	IARYIRLHPT	HYSIRSTLRM	ELMGCDLNSC	SMPLGMESKA	ISDAQITASS
1301	YFTNMFATWS	PSKARLHLQG	RSNAWRPQVN	NPKEWLQVDF	OKTMKVTGVT
1351	TQGVKSLLTS	MYVKEFLISS	SQDGHQWTLF	FONGKVKVFO	GNODSFTPVV
1401	NSLDPPLLTR	YLRIHPQSWV	HQIALRMEVL	GCEAQDLY	~

Fig._1 .

GGCAATGGAG	CGTGAAGAAG	GGCCCCAGGG	CTGACCCCGG	CAAACGTGAC	(50)
CCGGGGCTCC	GGGGTGACCC	AGGCAAGCGT	GGCCAAGGGG	CCCGTGGGTG	(100)
ACACAGGCAA	CCCTGACAAA	GGCCCCCAG	GAAAGACCCC	CGGGGGGCAT	(150)
CGGGGGGGTG	TTGGCGGGTC	ATGGGGGGG	CGGGTCATGC	CGCGCATTCC	(200)
TGGAAAAAGT	GGAGGGGGCG	TGGCCTTCCC	CCCGCGGCCC	CCTAGCCCCC	(250)
CCGCAGAGAG	CGGCGCAACG	GCGGGCGAGC	GGCGGGGGT	CGGGGTCCGC	(300)
GGGCTCCGGG	GGCTGCGGGC	GGTGGATGGC	GGCTGGCGTT	CCGGGGATCG	(350)
GGGGGGGTC	GGGGGGCGCT	GCGCGGGCGC	AGCCATGCGT	GACCGTGATG	(400)
AG					(402)

Fig._2

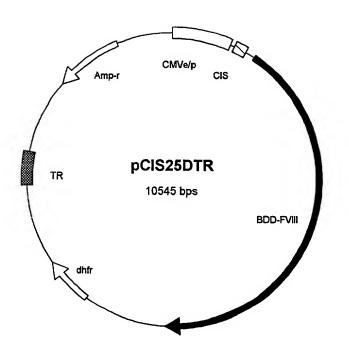
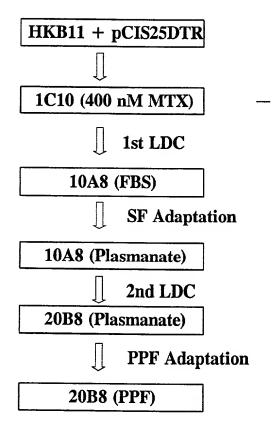
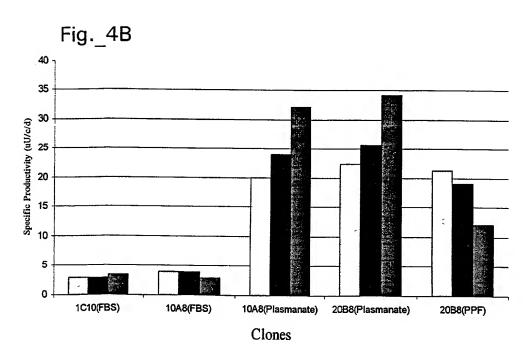


Fig._3

Fig._4A





Volumetric Productivity of HKB cells

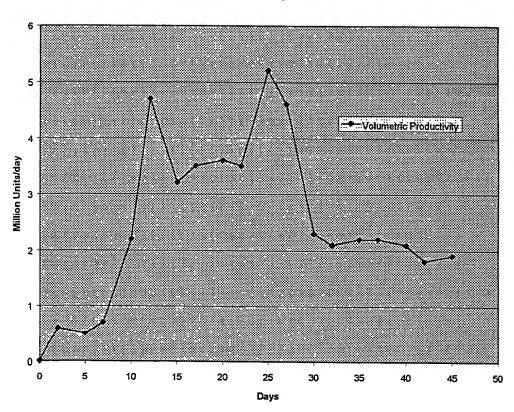


Fig._5